BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to Roads and Drains in Venkatala Janatha Colony, Marutinagara SC-ST areas and Surrounding Areas in Ward no.01 Yelahanka Sub Division

							Estimation Cost.Rs		9900000
Sl.No.	Description of work	Mesurement					Qty	Rate	Amount
		Unit	No.	L	B	D			
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. Page No. 139, Item No.18.18 and Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)								
	Venkatala Layout								
	Drain Cover Deck Slab								
	Keri Kodi Road(Rudrabhoomi SC&ST)	Cum	1	210	1.4	0.1	29.4		
	Culvert								
	Venkatala Layout								
	kere Kodi Road Rudrabhoomi	cum	1	10.2	1.4	0.9	12.852		
	Basic rate							557.00	
	Area weightage 6%							33.42	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**42.25**	**660.22**	**27895.62**
2	18.27 KSRRB M200-15.2. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.No. KBS Pg No 140 ,Item No 18.27,								
	Drain								
	Venkatala Layout								
	Keri Kodi Road(Rudrabhoomi SC&ST)	Cum	1	210	1.4	0.9	264.6		
	Ramanna House to Join kere Kodi main road drain	Cum	1	90	0.7	0.6	37.8		
	Basic rate							351.00	
	Area weightage 6%							21.06	

(11)

BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

APPROVED SCHEDULE –'B'

Name of Work:- Improvements to Roads and Drains in Venkatala Janatha Colony, Marutinagara SC-ST areas and Surrounding Areas in Ward no.01 Yelahanka Sub Division

Sl	Description	Unit	Approved Qty	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
1	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH.complete as per specifications and directions of the Engineer in charge.	Cum	42.25	660.22	Rupees Six Hundred Sixty and Twenty Two Paise Only
2	18.27 KSRRB M200-15.2. Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cementconcrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all liftsas per specifications. iii)Dismantling Stone Masonry. B. Rubble Stone masonry in cement mortar.No. KBS complete as per specifications and directions of the Engineer in charge.	Cum	302.40	441.86	Rupees Four Hundred Forty One and Eighty Six Paise Only
3	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3 complete as per specifications and directions of the Engineer in charge.	Cum	903.59	207.60	Rupees Two Hundred Seven and Sixty Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

	Description	Unit	Approved Qty	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
4	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. complete as per specifications and directions of the Engineer in charge.	Cum	88.20	2574.74	Rupees Two Thousand Five Hundred Seventy Four and Seventy Four Paise Only
5	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 complete as per specifications and directions of the Engineer in charge.	cum	98.29	5421.90	Rupees Five Thousand Four Hundred Twenty One and Ninety Paise Only
6	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Pg No.265 Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications and directions of the Engineer in charge.	cum	305.85	7070.20	Rupees Seven Thousand Seventy and Twenty Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

	Description	Unit	Approved Qty	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
7	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&220 complete as per specifications and directions of the Engineer in charge.	tonne	27.53	72326.98	Rupees Seventy Two Thousand Three Hundred Twenty Six and Ninety Eight Paise Only
8	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate))complete as per specifications and directions of the Engineer in charge.	Sqm	612.00	2337.00	Rupees Two Thousand Three Hundred Thirty Seven Only
9	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc (Data Rate) complete as per specifications and directions of the Engineer in charge.	Sqm	43.26	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
10	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3complete as per specifications and directions of the Engineer in charge	Sqm	841.10	41.34	Rupees Forty One and Thirty Four Paise Only
11	KSRRB 300-58. Compaction of original ground by mechanical means including gilling in depression occuring during rolling including cost of all labour,HOM complete as per specifications. MORTH complete as per specifications and directions of the Engineer in charge.	Sqm	841.10	6.36	Rupees Six and Thirty Six Paise Only

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

	Description	Unit	Approved Qty	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate in Words
12	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. complete as per specifications and directions of the Engineer in charge.	cum	126.17	5408.12	Rupees Five Thousand Four Hundred Eight and Twelve Paise Only
13	Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries all lead and lift charges	cum	126.17	5210.96	Rupees Five Thousand Two Hundred Ten and Ninety Six Paise Only

Signature of the Contractor

EXECUTIVE ENGINEER-4
KRIDL BBMP DIVISION
BENGALURU-560 010

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.